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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/560,011	12/08/2005	Tomoyasu Satoh	EHH-146-A	1076

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CARRIER BLACKMAN AND ASSOCIATES
24101 NOVI ROAD
SUITE 100
NOVI, MI 48375

EXAMINER	
ALI, HYDER	
ART UNIT	**PAPER NUMBER**
3747	

NOTIFICATION DATE	DELIVERY MODE
08/02/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

cbalaw@gmail.com
cbalaw@ameritech.net
wblackman@ameritech.net

Office Action Summary	Application No.	Applicant(s)	
	10/560,011	SATOH ET AL.	
	Examiner	Art Unit	
	HYDER ALI	3747	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-5* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-3* is/are rejected.

7)☒ Claim(s) *4 and 5* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *08 December 2005* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *12/8/05*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Specification

The abstract of the disclosure is objected to because it exceeds 150 words maximum. Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Takamura et al (JP 04054347).

As to Claim 1,Takamura et al discloses a balancer driven gear of an engine comprising: a bush member having a boss portion fixed to a balancer shaft and a plurality of outward dowels projecting radially outward from an outer periphery of the boss portion; a gear member 16 disposed coaxially with said bush member, said gear member having an annular portion with gear teeth formed on an outer periphery thereof and a plurality of inward dowels projecting radially inward from an inner periphery of the annular portion said bush member and said gear member being assembled in such a manner that said outward and inward dowels are disposed alternately in a peripheral direction of the balancer driven gear; and elastic members 33 provided between the outward dowels on the bush member and the inward dowels on the gear member;

wherein at least one of shapes and dimensions of said outward and inward dowels are asymmetric with respect to an axis of the balancer driven gear.

As to Claim 2,Takamura et al discloses one of said outward dowels and the inward dowels have recesses between adjoing dowels; the other dowels are located in said recesses, respectively; two of said recesses positioned on opposite sides

with respect to the axis of the balancer driven gear have mutually different depths; and the other dowels, disposed within said two opposite recesses of the mutually different depths, have mutually different heights.

As to Claim 3,Takamura et al disclosessaid one dowels are radially outwardly projecting dowels and said other dowels are radially inwardly projecting dowels.

2. Claim 1 rejected under 35 U.S.C. 102(b) as being anticipated by Horita et al (US 6,626,139).

Horita et al discloses (**See Fig. 22 and col. 2. lines 1-65)** a balancer driven gear of an engine comprising: a bush member having a boss portion fixed to a balancer shaft and a plurality of outward dowels projecting radially outward from an outer periphery of the boss portion; a gear member disposed coaxially with said bush member, said gear member having an annular portion with gear teeth formed on an outer periphery thereof and a

plurality of inward dowels projecting radially inward from an inner periphery of the annular portion said bush member and said gear member being assembled in such a manner that said outward and inward dowels are disposed alternately in a peripheral direction of the balancer driven gear; and elastic members provided between the

outward dowels on the bush member and the inward dowels on the gear member;

wherein at least one of shapes and dimensions of said outward and inward dowels are asymmetric with respect to an axis of the balancer driven gear. **See Fig. 22 and col. 2. lines 1-65.**

3. Claim 1 rejected under 35 U.S.C. 102(b) as being anticipated by Nakajima et al (JP 60192145).

Nakajima et al discloses a balancer driven gear of an engine comprising: a bush member having a boss portion fixed to a balancer shaft and a plurality of outward dowels projecting radially outward from an outer periphery of the boss portion; a gear member disposed coaxially with said bush member, said gear member having an annular portion with gear teeth formed on an outer periphery thereof and a plurality of inward dowels projecting radially inward from an inner periphery of the annular portion said bush member and said gear member being assembled in such a manner that said outward and inward dowels are disposed alternately in a peripheral direction of the balancer driven gear; and elastic members provided between the outward dowels on the bush member and the inward dowels on the gear member; wherein at least one of shapes and dimensions of said outward and inward dowels are asymmetric with respect to an axis of the balancer driven gear.

Allowable Subject Matter

Claims 4 and 5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HYDER ALI whose telephone number is (571) 272-4836. The examiner can normally be reached on M-F (8:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Kirk Cronin can be reached on (571) 272-4536. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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